

WHAT IS CLAIMED IS:

1. A composition, comprising:
at least about 5 wt% of a monovinylarene-conjugated diene copolymer;
5 from about 0.1 wt% to about 2.5 wt% of an ultraviolet (UV) absorber; and
from about 0.1 wt% to about 2.5 wt% of a light stabilizer.
2. The composition of claim 1, wherein the light stabilizer is a hindered amine light
stabilizer (HALS).
- 10 3. The composition of claim 1, comprising at least about 50 wt% of the
monovinylarene-conjugated diene copolymer.
4. The composition of claim 1, comprising at least about 95 wt% of the
15 monovinylarene-conjugated diene copolymer.
5. The composition of claim 1, wherein the UV absorber comprises a phenol group
and a triazol or triazin group.
- 20 6. The composition of claim 5, wherein the UV absorber is 2-(2H-benzotriazol-2-
yl)-4,6-ditertpentylphenol or 2-(4,6-diphenyl-1,3,5-triazin-2-yl)-5-(hexyl)oxylphenol.
7. The composition of claim 6, comprising from about 0.3 wt% to about 0.6 wt% of
the UV absorber.
- 25 8. The composition of claim 2, wherein the HALS comprises bis(1,2,2,6,6-
pentamethyl-4-piperidyl)sebacate or methyl 1,2,2,6,6-pentamethyl-4-piperidyl
sebacate.

9. The composition of claim 8, comprising from about 0.4 wt% to about 0.6 wt% of the HALS.
- 5 10. The composition of claim 1, further comprising a styrene/methyl methacrylate or polystyrene.
11. A method of synthesizing a UV-stabilized monovinylarene-conjugated diene copolymer composition, comprising:
combining (i) at least about 5 wt% of a monovinylarene-conjugated diene
10 copolymer; (ii) from about 0.1 wt% to about 2.5 wt% of an ultraviolet (UV) absorber; and (iii) from about 0.1 wt% to about 2.5 wt% of a light stabilizer, to form the composition.
12. The method of claim 11, wherein the light stabilizer is a hindered amine light
15 stabilizer (HALS).
13. The method of claim 11, comprising from about 0.3 wt% to about 0.6 wt% of the UV absorber.
- 20 14. The method of claim 12, comprising from about 0.4 wt% to about 0.6 wt% of the HALS.
15. The method of claim 11, wherein the combining step comprises melt blending.
- 25 16. The method of claim 11, wherein the combining step comprises solution blending, coextrusion, or the forming of a tumbled blend.
17. A method of fabricating a UV-stabilized monovinylarene-conjugated diene copolymer article, comprising:

forming a composition comprising (i) at least about 5 wt% of a monovinylarene-conjugated diene copolymer; (ii) from about 0.1 wt% to about 2.5 wt% of an ultraviolet (UV) absorber; and (iii) from about 0.1 wt% to about 2.5 wt% of a light stabilizer into the article or a component thereof.

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18. The method of claim 17, wherein the light stabilizer is a hindered amine light stabilizer (HALS).

19. The method of claim 17, wherein forming comprises sheet extrusion,
10 thermoforming, injection molding, blow molding, film blowing, or film casting.